

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Dong-Hee LEE et al.

Group Art Unit: To be assigned

Application No.: To be assigned

Examiner: To be assigned

Filing Date: December 30, 2004

Confirmation No.: To be assigned

Title: NOVEL POLYPEPTIDE HAVING FUNCTION OF 7-KETO-8-AMINOPELARGONIC ACID SYNTHASE
OF PLANT AND METHOD FOR INDUCING GROWTH INHIBITION AND LETHALITY BY
SUPPRESSING EXPRESSION OF THE POLYPEPTIDE

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form
PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R.
§ 1.17(p) are also enclosed.
☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
☐ A check in the amount of _____ is enclosed for the fee due.
☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and
1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800.
This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By


Deborah H. Yellin

Registration No. 45,904

Date: December 30, 2004

DT1 Filed PCT/PTO 30 DEC 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Dong-Hee LEE et al.)	Group Art Unit: To be assigned
Application No.: To be assigned)	Examiner: To be assigned
Filed: December 30, 2004)	Confirmation No.: To be assigned
For: NOVEL POLYPEPTIDE HAVING)	
FUNCTION OF 7-KETO-8-)	
AMINOPELARGONIC ACID)	
SYNTHASE OF PLANT AND METHOD)	
FOR INDUCING GROWTH INHIBITION)	
AND LETHALITY BY SUPPRESSING)	
EXPRESSION OF THE POLYPEPTIDE)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

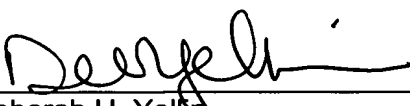
To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date December 30, 2004

By:


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Substitute for form 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	
Filing Date	December 30, 2004
First Named Inventor	Dong-Hee Lee et al.
Examiner Name	
Attorney Docket Number	012679-110

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,477,001		SASS et al.	12-12-1995

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	GenBank Accession No. T48458'8-amino-7-oxononanoate synthase-like protein-Arabidopsis thaliana' 20 April 2000
	Alan R. Rendina, et al., "The design and synthesis of inhibitors of dethiobiotin synthetase as potential herbicides," Pestic Sci, Vol. 55, pp. 236-247, 1999.
	Gunter Schneider, et al., "Structural enzymology of biotin biosynthesis," FEBS Letters, Vol. 495, pp. 7-11, 2001.
	Olivier Ploux, et al, "Mechanistic studies on the 8-amino-7-oxopelargonate synthase, a pyridoxal-5'-phosphate-dependent enzyme involved in biotin biosynthesis," Eur. J. Biochem, Vol. 236, pp. 310-308, 1996.

Examiner Signature	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.